



NPDES – Drainage Improvements

Standard Operating Procedure

REFUSE
DISPOSAL
DIVISION

Inactive Landfill Maintenance

The inactive landfills have an industrial permit under the National Pollution Discharge Elimination System (NPDES). As such, we are required to monitor and control the quality of the runoff from each site. A Storm Water Pollution Plan (SWPP) has been developed for each site that shows sampling points and site specific Best Management Practices (BMPs) to achieve the required goals. Below are some general rules that will help in this ongoing endeavor (**Refer to the permit application for a detailed plan on exactly what to do**).

Guidelines:

1. Generally, all exposed soils on the top deck and slopes are covered with mulch to prevent erosion. As the mulch decomposes, the surfaces of the landfill are disked and fresh mulch is reapplied. Seeding and planting of drought resistant vegetation is also used as an erosion control measure.
2. Silt fences and or rock berms are to be used in the drainage areas of five (5) acres or less. Brow ditches are used on slopes greater than 10 feet in height and slopes steep enough to allow erosion to occur. Down drains and channels are used to collect concentrated flows and deliver them to level area and/or adjacent streams and creeks. They are to be sized according to current engineering standards, typically installed above ground with some sort of energy dissipation at the outlet.
3. Collect storm water samples at the designated sampling locations (refer to appropriate SWPP) during the first hour of discharge from (1) the first storm event of the rainy season, and (2) at least one other storm event of the rainy season. This sampled rain event must be preceded by **three** days of dry weather and be significant enough to produce runoff. This runoff must occur during working hours. If conditions are dangerous, then a sampling point may be skipped. Background samples are also taken to compare upstream and downstream conditions and determine if there are any impacts from our landfills.
4. Samples are taken following standard sampling protocol. Samples are to be packed in ice after they are taken and delivered to the lab as soon as practical. The current lab is located at 4340 Viewridge Ave, Suite A, San Diego, CA, 92123. Enter through the backdoor and complete the chain of custody form before turning samples over to the lab.



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Benefit of Compliance to Instruction:

- Protection of public health and safety
- Less silt in runoff
- Integrity of cover material protected

Consequence of Non-Compliance to Instruction:

- Violations and/or fines from Regulatory Agency(s)
- Destruction of endangered habitat
- Refuse migrating off site
- Loss of integrity of cover material
- Disciplinary action

Environmental Management System (EMS) – ISO 14001

Process Map #: SM-1.0

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